

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 86-28

WASTE DISCHARGE REQUIREMENTS FOR:

MOORE'S RESORT
CUTTINGS WHARF
NAPA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. The Moore's Resort, hereinafter called the Discharger, is located at the end of the Cuttings Wharf Road, in Napa County, on the west bank of a tidal section of the Napa River. The owner of the Moore's Resort filed a Report of Waste Discharge on January 28, 1986 with the Board for the update of its waste discharge permit.
2. The Discharger operates a sewage facilities which consists of two evaporation ponds with a total surface area of approximately 0.5 acres. Domestic sewage from 21 single family dwellings and a resort cafe is collected and treated separately in two tri-chambered underground Imhoff tanks prior to being pumped to the two evaporation ponds for stabilization and evaporation. The sewage volume is estimated to be around 4,400 gallons per day. The ponds are located in an isolated, fenced area approximately 1,500 feet easterly of Cuttings Wharf Road, adjacent to an access road, and approximately 1,300 feet northerly of the Napa River. There is a minimum distance of around 1,500 feet from the ponds to the nearest residence. Adjacent lands are used for agricultural purposes. No water well exists within 500 feet of the ponds. Attachment A is a location map of the sewage facilities, and is hereby made a part of this Order.
3. The existing system is governed by the waste discharge requirements adopted by the Board in Resolution No. 673 on June 17, 1965. The operation of this pond system during the last twenty years showed no record of any overflow or seepage from the ponds. If any pond overflow occur, the wastewater would enter a nearby tidal drainage ditch tributary to the Napa River.
4. The Board adopted a revised Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) on July 21, 1982. The Basin Plan contains water quality objectives for the Napa River and tributaries.
5. The beneficial uses contained in the Basin Plan for the Napa River downstream from the vicinity of Moore's Resort are:
 - a. Navigation
 - b. Water contact recreation
 - c. Non-contact water recreation
 - d. Warm fresh water habitat

- e. Cold fresh water habitat
 - f. Wild life habitat
 - g. Preservation of rare and endangered species
 - h. Fish migration and spawning
6. The beneficial uses of the Napa Valley groundwaters as set forth in the Basin Plan includes:
- a. Domestic water supply
 - b. Agricultural water supply
7. This project involves the operation of existing privately-owned sewage disposal facilities with negligible or no expansion of use beyond that previously existing and as such is exempt from the provisions of the California Environmental Quality Act in accordance with Title 14, California Administrative Code, Chapter 3, Section 15101.
8. The Board has notified the Discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
9. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED THAT, the Moore's Resort, pursuant to the provisions contained in Division 7 of the California Water code and regulations adopted thereunder, shall comply with the following:

A. Prohibitions

- 1. There shall be no bypass or overflow of waste to waters of the State from the collection, treatment, and storage system.
- 2. The waste shall not be allowed to escape from the Discharger's evaporation/holding pond system into waters of the State via surface flow, seepage, or resurfacing after percolation.
- 3. The discharge of industrial pollutants or toxic substances into the ponds are prohibited.

B. Discharge Specifications

- 1. Neither the treatment nor the disposal of wastes shall create a nuisance or pollution as defined in the California Water Code.
- 2. The discharge of waste shall not degrade the quality of any groundwater suitable for domestic use or cause an increase in any quality parameter that would make groundwater unsuitable for irrigation use.
- 3. The Discharger shall maintain in good working order and operate

as efficiently as possible any facilities or control system installed by the Discharger to achieve compliance with the waste discharge requirements.

4. Evaporation ponds shall be a fenced area to exclude public contact with wastewater and shall be clearly identified with conspicuous warning signs.
5. The ponds shall be adequately protected from erosion, washout, and flooding from a rainfall event having a predicted frequency of once in 100 years.
6. To prevent threat of overflows, a minimum freeboard of 2 feet shall be maintained in the ponds at all times.
7. Waste at the surface of the ponds shall meet the following quality limits at all times:

In any grab sample:

| | |
|-------------------|----------------------------|
| Dissolved Oxygen | 2.0 mg/l minimum |
| Dissolved Sulfide | 0.1 mg/l maximum |
| pH | 6.0 minimum 9.0 maximum |

8. A high water level alarm system shall be installed in each pump station wet well downstream of the septic tanks to prevent the occurrence of overflow resulting from power failure or mechanical breakdown.

C. Provisions

1. The Discharger shall comply with a Self-Monitoring Program as ordered by the Executive Officer.
2. By October 1 of each year, the Discharger shall submit a report, to the satisfaction of the Executive Officer, containing the depth of freeboard in each pond, and an assessment of the ability of the ponds to maintain the minimum freeboard in the ponds throughout the wet season with anticipated rains and waste inflow.
3. The Discharger shall permit the Board or its authorized representatives in accordance with California Water Code Section 13267(c):
 - (a) Entry upon premises in which an effluent source is located or in which any required records are kept.
 - (b) Access to copy any records required to be kept under terms and conditions of this Order.
 - (c) Inspection of any monitoring equipment or method required by

this Order.

(d) Sampling of any discharge and reclaimed water.

4. When an approved public sanitary sewer is within 400 feet of the ponds, the Discharger shall submit a technical report to the satisfaction of the Executive Officer and time schedule describing how the ponds will be abandoned and connection made to the sanitary sewer.
5. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the Discharger, the Discharger shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to this Board.
6. The Producer and Users shall file with the Regional Board a report on waste discharge at least 120 days before making any material change or proposed change in the character, location, or volume of the reuse.
7. In the event the Discharger is unable to to comply with any of the conditions of this Order due to:
 - (a) Breakdown of waste treatment equipment;
 - (b) Accidents caused by human error or negligence; or
 - (c) Other causes such as acts of nature,the Discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.
8. The Board will review this Order periodically and may revise the requirements when necessary.
9. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:
 - (a) Violation of any term or condition contained in this Order;
 - (b) Obtaining this Order by misrepresentation, or failure to disclose fully all relevant facts; and
 - (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized reuse.
10. In reviewing compliance with Prohibition A.1. Discharge Specification B.6. of this Order, the Board will take special

note of the difficulties encountered in achieving compliance during entire wet seasons having a rainfall recurrence interval of greater than once in ten years.

11. The waste discharge requirements prescribed by this Order supersedes the requirements prescribed by the Board's Resolution No. 673. Resolution No. 673 is hereby rescinded.

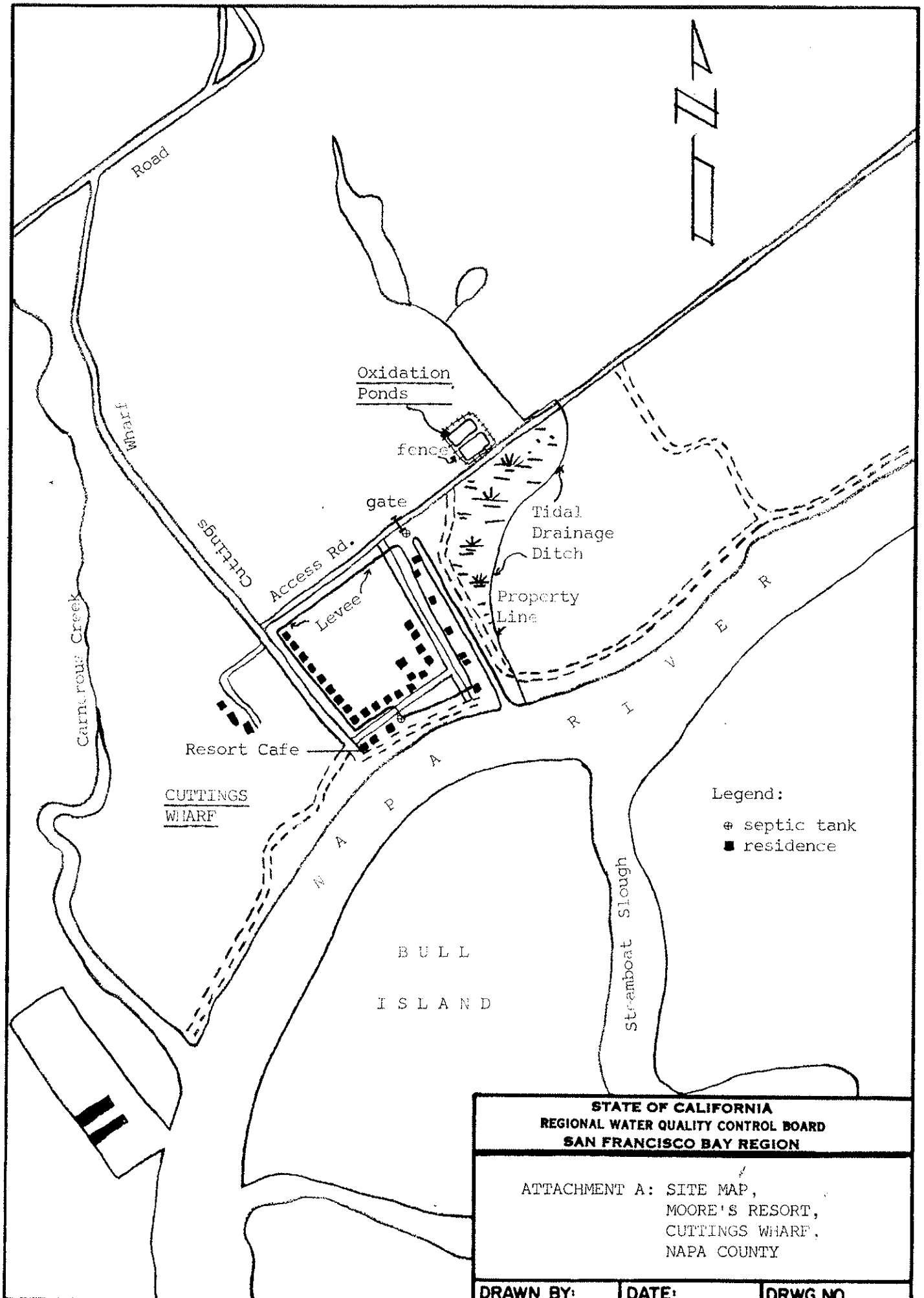
I, Roger B. James, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on April 16, 1986.



ROGER B. JAMES
Executive Officer

Attachments:

Location Map
Self-Monitoring Program



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

F I N A L
SELF-MONITORING PROGRAM
FOR

____MOORE'S RESORT____
____CUTTINGS WHARE____
____NAPA COUNTY____

ORDER NO. ____86-28____

CONSISTS OF
PART A

PART A

I. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purposes of a monitoring program by a waste discharger, also referred to as a self-monitoring program, are:

1. To document compliance with waste discharge requirements and prohibitions established by the Regional Board.
2. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge.

II. SAMPLING AND ANALYTICAL METHODS

Sample collection, storage, and analyses shall be performed according to the latest edition of "Standard Methods for the Examination of Water and Wastewater" prepared and published jointly by the American Public Health Association, American Water Works Association, and Water Pollution Control Federation, or other methods approved and specified by the Executive Officer of this Regional Board.

Water and waste analyses shall be performed by a laboratory approved for these analyses by the State Department of Health or a laboratory approved by the Executive Officer. The director of the laboratory whose name appears on the certification shall supervise all analytical work in his laboratory and shall sign all reports of such work submitted to the Regional Board.

All monitoring instruments and equipment shall be properly calibrated and maintained to ensure accuracy of measurements.

III. DEFINITION OF TERMS

1. A grab sample is defined as an individual sample collected in fewer than 15 minutes.

2. Standard Observations

- a. Land Retention or Pond Area

This applies both to liquid and solid wastes confined or unconfined.

- (1) Determine height of the freeboard at lowest point of dikes confining liquid wastes.

- (2) Evidence of leaching liquid from area of confinement and estimated size of affected area. (Show affected area on a sketch.)
- (3) Odor: presence or absence, characterization, source, and distance of travel.
- (4) Estimated number of waterfowl and other water-associated birds in the pond area and vicinity.
- (5) Evidence of mosquitoes breeding in the vicinity of pond area.
- (6) Warning signs or notices adequately posted to inform public that the water contained in the pond is sewage and is unsuitable for human consumption.

IV. DESCRIPTION OF SAMPLING STATIONS AND SCHEDULE OF SAMPLING, ANALYSIS AND OBSERVATIONS

A. Evaporation/Holding Ponds

At any point in each pond within one foot of the water surface and no less than three feet from the bank, representative of the wastewater:

1. Monthly, a grab sample to determine Dissolved Oxygen (D.O.) concentration, in mg/l. If D.O. is less than 2.0 mg/l, sample for Dissolved Sulfide.
2. Monthly, a grab sample to determine pH.

Along the perimeter of each pond and along the banks on both sides of the nearby tidal drainage ditch, within 50 feet of the pond area:

Weekly, perform standard observations as described in III.2.a. above.

V. REPORTS TO BE FILED WITH THE REGIONAL BOARD

1. Violation of Requirements:

In the event the Discharger is unable to comply with the conditions of the waste discharge requirements and prohibitions due to:

- (a) maintenance work, power failure, or breakdown of waste treatment equipment, or
- (b) accidents caused by human error or negligence, or
- (c) other causes such as acts of nature,

the Discharger shall notify the Regional Board office by

telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written report shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to prevent the problems from recurring.

2. Self-Monitoring Reports

Written reports shall be filed regularly for each calendar quarter and submitted by the fifteenth day of the following month (in January, April, July, and October). The reports shall be comprised of the following:

a. Letter of Transmittal:

A letter transmitting self-monitoring reports should accompany each report. Such a letter shall include a discussion of requirement violations found during the past quarter and actions taken or planned for correcting violations, such as operation modifications and/or facilities expansion. If the Discharger has previously submitted a detailed time schedule for correcting requirement violations, a reference to the correspondence transmitting such schedule will be satisfactory. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true and correct.

b. Results of Analyses and Observations

Tabulations of the results from each required analysis and/or observations specified in IV above by date, time, type of sample, and station.

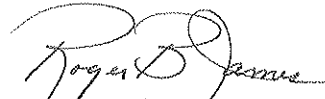
c. List of Approved Analyses

- (1) Listing of analyses for which the Discharger is approved by the State Department of Health.
- (2) List of analyses performed for the Discharger by another approved laboratory (and copies of reports signed by the laboratory director of that laboratory shall also be submitted as part of the report).

I, Roger B. James, Executive Officer, do hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with the Waste Discharge Requirements established in Regional Board Order No. 86-28.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon

written notice from the Executive Officer or request from the Discharger, and revisions will be ordered by the Executive Officer.

A handwritten signature in cursive script, appearing to read "Roger B. James".

ROGER B. JAMES
Executive Officer

Effective Date: April 16, 1986